#6/0

## SEQUENCE LISTIN

STEWIST T	RADEMIN		•				SEQ	JENCI	E LIS	STING	3				
	Detman Streit				•										
<120>	THROM	BOSP	ONDI	N-2 A	AND I	USES	THE	REOF							
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	gg gtg rp Val														100
	tc gac he Asp														148
	ag cag ys Gln														196
	gc ttt rg Phe 60														244
Ile T	cc aag hr Lys 75														292
	ag cag ys Gln									Leu					340

						cag Gln										388
_	-	_	-			tac Tyr			-						_	436
						ctg Leu					-			-		484
	_		_			acc Thr 160			_				_	_		532
		-			_	gac Asp					_		_	-		580
_	_			_		gtg Val	_				_			_		628
			_		_	aac Asn	_					_				676
-	-			_	-	aag Lys		-	-			_		_		724
						aac Asn 240										772
						ggc Gly										820
						gag Glu				_	_	_			_	868
_						aac Asn										916
						ctc Leu		-							_	964
						tgc Cys 320										1012

						•										
						gac Asp										1060
				-		caa Gln			_	_		-		-	-	1108
_					-	ggc Gly	_	_				-				1156
_						tgg Trp		_		_				_	_	1204
		_	_			999 Gly 400		-						-	-	1252
_		_			_	ttg Leu					_			_	_	1300
						acc Thr										1348
						tca Ser										1396
						tgc Cys										1444
_		_			_	ggc Gly 480					_	-	_		-	1492
						cgc Arg						-				1540
						ggt Gly										1588
					-	tac Tyr			_	-	_	_		_		1636
_		_		_		aac Asn			_	_		_	_		_	1684
tta	tcc	aac	ccc	tgc	ttc	ccg	gga	gcc	cag	tgc	agc	agc	ttc	ccc	gat	1732

,					•					4			,	d		
Le	ı Ser 555		Pro	Cys	Phe	Pro 560	Gly	Ala	Gln	Cys	Ser 565	Ser	Phe	Pro	Asp	
	g tcc y Ser )			_			_					_				1780
	c cac r His															1828
	c tcc e Ser			_			_	_				_				1876
	c tgc s Cys			-	_		-							_		1924
	ggc Gly 635															1972
	c cca n Pro		_	_	_				-		_				-	2020
	tac Tyr	_				_	_		_		_	_		_	-	2068
	a ggc c Gly															2116
	ggc Gly															2164
	c tgc s Cys 715		_	_		_			_					_	_	2212
	ttt Phe															2260
	gac n Asp		_				_	_		_	_					2308
	c cgc Arg															2356
	tgc Cys															2404

780 785 790 gga gag ggt gac gcc tgc tcc gtg gac att gat ggg gac gat gtc ttc 2452 Gly Glu Gly Asp Ala Cys Ser Val Asp Ile Asp Gly Asp Asp Val Phe aat gaa cga gac aat tgt ccc tac gtc tac aac act gac cag agg gac 2500 Asn Glu Arg Asp Asn Cys Pro Tyr Val Tyr Asn Thr Asp Gln Arg Asp 815 820 acg gat ggt gac ggt gtg ggg gat cac tgt gac aac tgc ccc ctg gtg 2548 Thr Asp Gly Asp Gly Val Gly Asp His Cys Asp Asn Cys Pro Leu Val 830 835 cac aac cct gac cag acc gac gtg gac aat gac ctt gtt ggg gac cag 2596 His Asn Pro Asp Gln Thr Asp Val Asp Asn Asp Leu Val Gly Asp Gln 845 850 tgt gac aac aac gag gac ata gat gac ggc cac cag aac aac cag 2644 Cys Asp Asn Asn Glu Asp Ile Asp Asp Asp Gly His Gln Asn Asn Gln 860 gac aac tgc ccc tac atc tcc aac gcc aac cag gct gac cat gac aga 2692 Asp Asn Cys Pro Tyr Ile Ser Asn Ala Asn Gln Ala Asp His Asp Arg gac ggc cag ggc gac gcc tgt gac cct gat gat gac aac gat ggc gtc 2740 Asp Gly Gln Gly Asp Ala Cys Asp Pro Asp Asp Asp Asn Asp Gly Val ccc gat gac agg gac aac tgc cgg ctt gtg ttc aac cca gac cag gag 2788 Pro Asp Asp Asp Asp Asn Cys Arg Leu Val Phe Asn Pro Asp Gln Glu 915 gac ttg gac ggt gat gga cgg ggt gat att tgt aaa gat gat ttt gac 2836 Asp Leu Asp Gly Asp Gly Arg Gly Asp Ile Cys Lys Asp Asp Phe Asp 925 930 935 aat gac aac atc cca gat att gat gat gtg tgt cct gaa aac aat gcc 2884 Asn Asp Asn Ile Pro Asp Ile Asp Asp Val Cys Pro Glu Asn Asn Ala 940 945 atc agt gag aca gac ttc agg aac ttc cag atg gtc ccc ttg gat ccc 2932 Ile Ser Glu Thr Asp Phe Arg Asn Phe Gln Met Val Pro Leu Asp Pro 955 aaa ggg acc acc caa att gat ccc aac tgg gtc att cgc cat caa ggc 2980 Lys Gly Thr Thr Gln Ile Asp Pro Asn Trp Val Ile Arg His Gln Gly 970 975 985 aag gag etg gtt cag aca gee aac teg gac eee gge ate get gta qqt 3028 Lys Glu Leu Val Gln Thr Ala Asn Ser Asp Pro Gly Ile Ala Val Gly ttt gac gag ttt ggg tct gtg gac ttc agt ggc aca ttc tac gta aac 3076 Phe Asp Glu Phe Gly Ser Val Asp Phe Ser Gly Thr Phe Tyr Val Asn

1010

1005

act gac cgg gac gac Thr Asp Arg Asp Asp 1020	-	Gly Phe Val										
agc agc cgc ttc tat Ser Ser Arg Phe Tyr 1035												
tgg gag gac cag ccc Trp Glu Asp Gln Pro 1050			Ser Gly Val Ser L									
aag gtg gtg aac tcc Lys Val Val Asn Ser 107	Thr Thr Gly											
ctg tgg cac acg ggg Leu Trp His Thr Gly 1085												
gac ccc agg aac att Asp Pro Arg Asn Ile 1100		Asp Tyr Thr										
ctg act cac agg ccc Leu Thr His Arg Pro 1115												
gga aaa cag gtc atg Gly Lys Gln Val Met 1130			Tyr Asp Gln Thr Ty									
gct ggc ggg cgg ctg Ala Gly Gly Arg Leu 115	Gly Leu Phe	-										
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Gln Ala Gly His Gln 20		25	30									
Ser Asn Ile Asn Arg 35	Lys Thr Ile 40	Gly Ala Lys	Gln Phe Arg Gly Pr 45	ro								
Asp Pro Gly Val Pro 50	Ala Tyr Arg 55	Phe Val Arg	Phe Asp Tyr Ile Pi 60	ro								

Pro Val Asn Ala Asp Asp Leu Ser Lys Ile Thr Lys Ile Met Arg Gln Lys Glu Gly Phe Phe Leu Thr Ala Gln Leu Lys Gln Asp Gly Lys Ser Arg Gly Thr Leu Leu Ala Leu Glu Gly Pro Gly Leu Ser Gln Arg Gln Phe Glu Ile Val Ser Asn Gly Pro Ala Asp Thr Leu Asp Leu Thr Tyr Trp Ile Asp Gly Thr Arg His Val Val Ser Leu Glu Asp Val Gly Leu Ala Asp Ser Gln Trp Lys Asn Val Thr Val Gln Val Ala Gly Glu Thr Tyr Ser Leu His Val Gly Cys Asp Leu Ile Asp Ser Phe Ala Leu Asp Glu Pro Phe Tyr Glu His Leu Gln Ala Glu Lys Ser Arg Met Tyr Val Ala Lys Gly Ser Ala Arg Glu Ser His Phe Arg Gly Leu Leu Gln Asn Val His Leu Val Phe Glu Asn Ser Val Glu Asp Ile Leu Ser Lys Lys Gly Cys Gln Gln Gly Gln Gly Ala Glu Ile Asn Ala Ile Ser Glu Asn Thr Glu Thr Leu Arg Leu Gly Pro His Val Thr Thr Glu Tyr Val Gly Pro Ser Ser Glu Arg Pro Glu Val Cys Glu Arg Ser Cys Glu Glu Leu Gly Asn Met Val Gln Glu Leu Ser Gly Leu His Val Leu Val Asn Gln Pro Ser Glu Asn Leu Lys Arg Val Ser Asn Asp Asn Gln Phe Leu Trp Glu Leu Ile Gly Gly Pro Pro Lys Thr Arg Asn Met Ser Ala Cys Trp Gln Asp Gly Arg Phe Phe Ala Glu Asn Glu Thr Trp Val Val Asp Ser Cys Thr Thr Cys Thr Cys Lys Lys Phe Lys Thr Ile Cys His Gln Ile Thr Cys Pro Pro Ala Thr Cys Ala Ser Pro Ser Phe Val Glu Gly Glu Cys Cys Pro Ser Cys Leu His Ser Val Asp Gly Glu Glu Gly Trp Ser Pro Trp Ala Glu Trp Thr Gln Cys Ser Val Thr Cys Gly Ser Gly Thr Gln Gln Arg Gly Arg Ser Cys Asp Val Thr Ser Asn Thr Cys Leu Gly Pro Ser Ile Gln Thr Arg Ala Cys Ser Leu Ser Lys Cys Asp Thr Arg Ile Arg Gln Asp Gly Gly Trp Ser His Trp Ser Pro Trp Ser Ser Cys Ser Val Thr Cys Gly Val Gly Asn Ile Thr Arg Ile Arg Leu Cys Asn Ser Pro Val Pro Gln Met Gly Gly Lys Asn Cys Lys Gly Ser Gly Arg Glu Thr Lys Ala Cys Gln Gly Ala Pro Cys Pro Ile Asp Gly Arg Trp Ser Pro Trp Ser Pro Trp Ser Ala Cys Thr Val Thr Cys Ala Gly Gly Ile Arg Glu Arg Thr Arg Val Cys Asn Ser Pro Glu Pro Gln Tyr

515 520 Gly Gly Lys Ala Cys Val Gly Asp Val Gln Glu Arg Gln Met Cys Asn 535 540 Lys Arg Ser Cys Pro Val Asp Gly Cys Leu Ser Asn Pro Cys Phe Pro 555 Gly Ala Gln Cys Ser Ser Phe Pro Asp Gly Ser Trp Ser Cys Gly Ser 565 570 Cys Pro Val Gly Phe Leu Gly Asn Gly Thr His Cys Glu Asp Leu Asp 585 Glu Cys Ala Leu Val Pro Asp Ile Cys Phe Ser Thr Ser Lys Val Pro 600 605 Arg Cys Val Asn Thr Gln Pro Gly Phe His Cys Leu Pro Cys Pro Pro 615 620 Arg Tyr Arg Gly Asn Gln Pro Val Gly Val Gly Leu Glu Ala Ala Lys 630 635 Thr Glu Lys Gln Val Cys Glu Pro Glu Asn Pro Cys Lys Asp Lys Thr 650 His Asn Cys His Lys His Ala Glu Cys Ile Tyr Leu Gly His Phe Ser Asp Pro Met Tyr Lys Cys Glu Cys Gln Thr Gly Tyr Ala Gly Asp Gly 680 Leu Ile Cys Gly Glu Asp Ser Asp Leu Asp Gly Trp Pro Asn Leu Asn 695 Leu Val Cys Ala Thr Asn Ala Thr Tyr His Cys Ile Lys Asp Asn Cys 715 710 Pro His Leu Pro Asn Ser Gly Gln Glu Asp Phe Asp Lys Asp Gly Ile 730 Gly Asp Ala Cys Asp Asp Asp Asp Asp Asn Asp Gly Val Thr Asp Glu 740 745 Lys Asp Asn Cys Gln Leu Leu Phe Asn Pro Arg Gln Ala Asp Tyr Asp 760 Lys Asp Glu Val Gly Asp Arg Cys Asp Asn Cys Pro Tyr Val His Asn 775 Pro Ala Gln Ile Asp Thr Asp Asn Asn Gly Glu Gly Asp Ala Cys Ser 790 795 Val Asp Ile Asp Gly Asp Asp Val Phe Asn Glu Arg Asp Asn Cys Pro 805 810 Tyr Val Tyr Asn Thr Asp Gln Arg Asp Thr Asp Gly Asp Gly Val Gly 825 Asp His Cys Asp Asn Cys Pro Leu Val His Asn Pro Asp Gln Thr Asp 840 Val Asp Asn Asp Leu Val Gly Asp Gln Cys Asp Asn Asn Glu Asp Ile 855 860 Asp Asp Asp Gly His Gln Asn Asn Gln Asp Asn Cys Pro Tyr Ile Ser 870 Asn Ala Asn Gln Ala Asp His Asp Arg Asp Gly Gln Gly Asp Ala Cys 890 Asp Pro Asp Asp Asp Asn Asp Gly Val Pro Asp Asp Arg Asp Asn Cys 905 Arg Leu Val Phe Asn Pro Asp Gln Glu Asp Leu Asp Gly Asp Gly Arg 920 Gly Asp Ile Cys Lys Asp Asp Phe Asp Asn Asp Asn Ile Pro Asp Ile 935 940 Asp Asp Val Cys Pro Glu Asn Asn Ala Ile Ser Glu Thr Asp Phe Arg 950 955 Asn Phe Gln Met Val Pro Leu Asp Pro Lys Gly Thr Thr Gln Ile Asp 965 970

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Pro Asn Trp Val Ile Arg His Gln Gly Lys Glu Leu Val Gln Thr Ala
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Asn Ser Asp Pro Gly Ile Ala Val Gly Phe Asp Glu Phe Gly Ser Val
                            1000
                                                1005
Asp Phe Ser Gly Thr Phe Tyr Val Asn Thr Asp Arg Asp Asp Asp Tyr
                        1015
                                            1020
Ala Gly Phe Val Phe Gly Tyr Gln Ser Ser Ser Arg Phe Tyr Val Val
                    1030
                                        1035
Met Trp Lys Gln Val Thr Gln Thr Tyr Trp Glu Asp Gln Pro Thr Arg
                1045
                                   1050
Ala Tyr Gly Tyr Ser Gly Val Ser Leu Lys Val Val Asn Ser Thr Thr
            1060
                                1065
Gly Thr Gly Glu His Leu Arg Asn Ala Leu Trp His Thr Gly Asn Thr
                           1080
       1075
                                                1085
Pro Gly Gln Val Arg Thr Leu Trp His Asp Pro Arg Asn Ile Gly Trp
                        1095
                                            1100
Lys Asp Tyr Thr Ala Tyr Arg Trp His Leu Thr His Arg Pro Lys Thr
                    1110
                                        1115
Gly Tyr Ile Arg Val Leu Val His Glu Gly Lys Gln Val Met Ala Asp
                1125
                                    1130
Ser Gly Pro Ile Tyr Asp Gln Thr Tyr Ala Gly Gly Arg Leu Gly Leu
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Phe Val Phe Ser Gln Glu Met Val Tyr Phe Ser Asp Leu Lys Tyr Glu
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                            1160
Cys Arg Asp Ile
    1170
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Ser Cys
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